

Commercial Projects & Applications



Western Australian Maritime Museum

6.0mm BGC Duraliner™ Fibre Cement Sheets
Preserving WA's Maritime Museum



Project Details

• CLIENT

State Government of
Western Australia

• LOCATION

Victoria Quay Port of Fremantle

• ARCHITECT

Cox Howlett & Bailey Woodland

• BUILDER

Multiplex Constructions Pty Ltd

The vast coastline, rivers and waterways of Western Australia have provided a rich, colourful and historic connection to the still very young, maritime exploits and achievements of this geographically large, state.

Now, some of the available and most significant maritime treasures associated with Western Australia, have been painstakingly restored and carefully preserved as a permanent display in Australia's newest, and most prestigious exhibition of maritime memorabilia - the Western Australian Maritime Museum - located at the Port of Fremantle.



Fibre Cement - A Product of Advanced Technology

WESTERN AUSTRALIAN MARITIME MUSEUM

Housing priceless relics such as the world renowned yachts "Parry Endeavour" and "Australia II", along with the original iron maiden herself, "Lady Forrest", together with one of Perth's first ferry vessels, the wooden "Valdura", an historic pearling lugger the "Trixen" and a host of other craft, photographs, memorabilia and artifacts, the Maritime Museum is itself, by design, a unique piece of architecture that magnificently contains and presents a showcase of the State's formidable maritime heritage.

The \$36.5 million facility at the west end of Victoria Quay, is on the mouth of the harbour facing into the Indian Ocean. Due to its location, hostile surroundings and the harsh weather conditions that prevail, a careful selection of building materials and components were chosen for its construction.

The building, designed by one of Perth's premier architectural firms Cox Hewlett + Bailey Woodland, incorporates over 1000m² of BGC 6.0mm thick, Duraliner™ fibre cement sheets for the lining of the huge, curved soffit that clads and protects the impressive entrance to the museum, as well as the soffits on the seaward elevation.

Because of their inordinate flexibility, the Duraliner™ sheets easily followed the billowing curvature required to create the soffited entrance to this spectacularly designed structure. While fulfilling a design requirement, the inherent ability of the Duraliner™ fibre cement sheets also provided a material capable of withstanding the severe harshness of exposure to the open sea.

Along with other traditional and proven building materials including concrete, steel, stainless steel, timber, ceramics and glass, the Duraliner™ fibre cement sheeting will aid in protecting and preserving one of the State's finest architectural achievements and its priceless, historic contents.

The Maritime Museum received the George Temple Pool Award, top prize for 2003, at the Royal Australian Institute of Architects (WA) annual awards.



The inherent ability of Duraliner™ fibre cement sheets are able to withstand the severe conditions of direct exposure to the Indian Ocean.



The combination of glass, steel, stainless steel and Duraliner™ fibre cement sheets, form a striking contrast between sophisticated building materials.



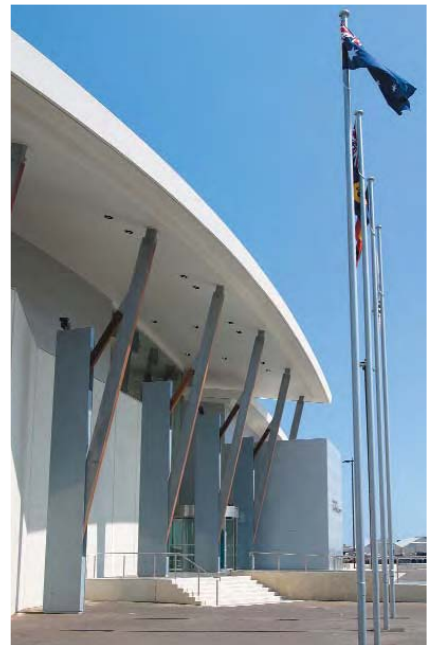
One of Perth's first wooden ferry vessels the "Valdura", was raised from a watery grave and meticulously restored to again display her superb craftsmanship.



"Trixen", a pearling lugger once associated with Western Australia's illustrious pearling industry.



Sailed unassisted by Jon Sanders, "Parry Endeavour" was the first yacht to three times circumnavigate the world non stop, without entering a port or haven.



BGC DURALINER™

BGC Duraliner™ is a dimensionally stable product that also provides enormous flexibility without losing any of the inherent qualities for which fibre cement is highly acclaimed.

As a general purpose building board, the flexibility aspect of Duraliner™ makes it a popular external soffit lining for commercial applications. Duraliner™ allows designers to move away from conventional flat, box type elevations into soft, curved and more appealing appearances, easily and economically.

Having factory applied recessed edges to the two long sides and one end of Duraliner™ sheets, facilitates the flush jointing process as well as assisting in the provision of a continuous, smooth finish of monolithic proportions.

Duraliner™ is specially formulated and prepared to also meet the requirements for uses that include: wet area and internal linings, ceilings, a substrate for ceramic wall tiles, fire and acoustically rated internal walls, and bracing to resist wind load racking.

ILLUSTRATIONS - CLOCKWISE FROM TOP LEFT CORNER

Traditional and proven building materials, including BGC fibre cement sheeting for the soffits, provide a handsome and enduring display of modern architectural achievement. The 6.0mm BGC Duraliner™ fibre cement sheets easily followed the curvature required to create the impressive soffited entrance.

"Lady Forrest" - Fremantle's first steam pilot boat, worked the harbour during the last century.

Looking past the Whaling exhibit through a glass curtain wall to the external soffit which is lined with 6.0mm Duraliner™ fibre cement sheets.



BGC GROUP OF COMPANIES

BGC (Buckeridge Group of Companies), is one of the biggest and fastest growing diversified industrial groups in Western Australia. The company's wide range of operations includes manufacturing, residential and commercial building, property ownership and management, contract mining, bulk haulage, quarrying and insurance.



BGC FIBRE CEMENT

A division of the Buckeridge Group of Companies, the BGC Fibre Cement operation is located in Perth, Western Australia...and although only in operation for less than a decade, has already established Sales and Warehouse facilities in all mainland State's of Australia and New Zealand.

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